

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,800,735 B2
APPLICATION NO. : 09/832659
DATED : October 5, 2004
INVENTOR(S) : Adrian Whitty et al.

Page 1 of 13

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 3, line 40: "(SerGlyGly) upstream of the histidine tag (His₆, positions" should read --(SerGlyGly) upstream of the histidine tag (His₆ (SEQ ID NO:63), positions--

Column 3, line 42: "(AspAspAspAspLys) is separate from the histidine tag by a" should read --(AspAspAspAspLys) (SEQ ID NO: 62) is separate from the histidine tag by a--

Column 15, line 36: "in SEQ ID NO:43; GGGGS in SEQ ID NO:8)." should read --in SEQ ID NO:43; GGGGS (SEQ ID NO:64) in SEQ ID NO:8).--

Column 32, line 61: "linker sequence (DDDDK) and a terminal restriction" should read --linker sequence (DDDDK) (SEQ ID NO:62) and a terminal restriction--

Column 35, line 33: "changed the enterokinase linker sequence (DDDDK) to a" should read --changed the enterokinase linker sequence (DDDDK) (SEQ ID NO:62) to a--

Column 35, line 34: "GGGGS linker sequence in frame and fused 3' to the human" should read --GGGGS (SEQ ID NO:64) linker sequence in frame and fused 3' to the human--

Column 45, lines 39-44:

"<210> SEQ ID NO 5

<211> LENGTH: 60

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 5

gatctagcaa tgctgcctgt gctgccctcc tggctgcctt gaatgggagg cttgaatact 60"

should read

--<210> 5

<211> LENGTH: 69

<212> TYPE: DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Construct

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,800,735 B2
APPLICATION NO. : 09/832659
DATED : October 5, 2004
INVENTOR(S) : Adrian Whitty et al.

Page 2 of 13

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

<220>
<221> CDS
<222> (1)..(69)

<400> SEQUENCE: 5
ttcattaaca gacttacatg ttacctccga aacgtcgaca aaactcacac atgcccaccg 60

tgc cca gca 69--

Column 45, line 45 to Column 47, line 2:

“<210> SEQ ID NO 6
<211> LENGTH: 51
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 6
tattatggga ggattctgca ttacctgaag gccaaggagt actcacactg t 51”

should read

--<210> SEQ ID NO 6
<211> LENGTH: 23
<212> TYPE: PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Construct

<400> 6
Phe Ile Asn Arg Leu Thr Cys Tyr Leu Arg Asn Val Asp Lys Thr His
1 5 10 15

Thr Cys Pro Pro Cys Pro Ala
20--

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,800,735 B2
APPLICATION NO. : 09/832659
DATED : October 5, 2004
INVENTOR(S) : Adrian Whitty et al.

Page 3 of 13

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 47, lines 3-9:

"<210> SEQ ID NO 7

<211> LENGTH: 76

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 7

aattgaatgg gagggctgca gcttgcgctg cagacaggat gaacttgac atccctgagg 60

agattaagca gctgca 76"

should read

--<210> SEQ ID NO 7

<211> LENGTH: 81

<212> TYPE: DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Construct

<220>

<221> CDS

<222> (1)..(81)

<400> 7

ttcattaaca gacttacatg ttacctccga aacggcgggtg gtggcagcgt cgacaaaact 60

cacacatgcc caccgtgccc a 81--

Column 47, lines 10-22:

"<210> SEQ ID NO 8

<211> LENGTH: 51

<212> TYPE: PRT

<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 8

Ala Ala Thr Thr Gly Ala Ala Thr Gly Gly Gly Ala Gly Gly Cys Thr

1

5

10

15

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,800,735 B2
APPLICATION NO. : 09/832659
DATED : October 5, 2004
INVENTOR(S) : Adrian Whitty et al.

Page 4 of 13

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Thr Gly Ala Ala Thr Ala Cys Thr Gly Cys Cys Thr Cys Ala Ala Gly
20 25 30

Gly Ala Cys Ala Gly Gly Ala Thr Gly Ala Ala Cys Thr Thr Thr Gly
35 40 45

Ala Cys Ala
50"

should read

--<210> SEQ ID NO 8
<211> LENGTH: 27
<212> TYPE: PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Construct

<400> 8

Phe Ile Asn Arg Leu Thr Cys Tyr Leu Arg Asn Gly Gly Gly Gly Ser
1 5 10 15

Val Asp Lys Thr His Thr Cys Pro Pro Cys Pro
20 25--

Column 47, lines 23-28:

--<210> SEQ ID NO 9

<211> LENGTH: 60

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 9

ttctccggag acgatgatga caagatgagc tacaacttgc ttggattcct acaaagaagc

60"

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,800,735 B2
APPLICATION NO. : 09/832659
DATED : October 5, 2004
INVENTOR(S) : Adrian Whitty et al.

Page 5 of 13

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

should read

--<210> SEQ ID NO 9
<211> LENGTH: 60
<212> TYPE: DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Primer

<400> 9

ttctccggag acgatgatga caagatgagc tacaacttgc ttggattcct acaaagaagc

60--

Column 47, lines 29-34:

"<210> SEQ ID NO 10
<211> LENGTH: 50
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 10

cgtcagagct gaaatcctag caaactttgc attcattgca agacttacag

50"

should read

--<210> SEQ ID NO 10
<211> LENGTH: 39
<212> TYPE: DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Primer

<400> 10

gccgctcgag ttatcagttt cggaggtaac ctgtaagtc

39--

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,800,735 B2
APPLICATION NO. : 09/832659
DATED : October 5, 2004
INVENTOR(S) : Adrian Whitty et al.

Page 6 of 13

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 47, lines 35-40:

"<210> SEQ ID NO 11

<211> LENGTH: 47

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 11

ggtggtctca catgagctac aacttgcttg gattcctaca aagaagc

47"

should read

--<210> SEQ ID NO 11

<211> LENGTH: 35

<212> TYPE: DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Primer

<400> 11

agcttccggg ggccatcatc atcatcatca tagct

35--

Column 47, lines 41-46:

"<210> SEQ ID NO 12

<211> LENGTH: 50

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 12

gccctcgagt cgacctgtc atcatcgctg ttccggaggt aacctgtaag

50"

should read

--<210> SEQ ID NO 12

<211> LENGTH: 35

<212> TYPE: DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Primer

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,800,735 B2
APPLICATION NO. : 09/832659
DATED : October 5, 2004
INVENTOR(S) : Adrian Whitty et al.

Page 7 of 13

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

<400> 12
ccggagctat gatgatgatg atgatggccc ccgga 35--

Column 47, line 47 to Column 49, line 4:

"<210> SEQ ID NO 13
<211> LENGTH: 21
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 13
caagcttgct agcgccgcg g 21"

should read

--<210> SEQ ID NO 13
<211> LENGTH: 87
<212> TYPE: DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Oligonucleotide

<400> 13
ccggagacga tgatgacaag atggcttacg ccgctcttg agccctacaa gcttctagca 60
atttcagtg tcagaagctc ctgtggc 87--

Column 49, lines 5-10:

"<210> SEQ ID NO 14
<211> LENGTH: 28
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 14
ggtggtctca catggcttga gaagctgc 28"

should read

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,800,735 B2
APPLICATION NO. : 09/832659
DATED : October 5, 2004
INVENTOR(S) : Adrian Whitty et al.

Page 8 of 13

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

--<210> SEQ ID NO 14
<211> LENGTH: 60
<212> TYPE: DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Oligonucleotide

<440> 14

gatctagcaa tgtgcctgt gctgccctcc tggtgcctt gaatgggagg ctgaatact 60--

Column 49, lines 11-16:

"<210> SEQ ID NO 15

<211> LENGTH: 20

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 15

aggtsmarct gcagsagtcw 20"

should read

--<210> SEQ ID NO 15

<211> LENGTH: 52

<212> TYPE: DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Oligonucleotide

<400> 15

gcctcaagga caggatgaac ttgacatcc ctgaggagat taagcagctg ca 52--

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,800,735 B2
APPLICATION NO. : 09/832659
DATED : October 5, 2004
INVENTOR(S) : Adrian Whitty et al.

Page 9 of 13

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 49, lines 17-22:

“<210> SEQ ID NO 16

<211> LENGTH: 36

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 16

ctgagctcat ttaccggag tccgggagaa gctctt

36”

should read

--<210> SEQ ID NO 16

<211> LENGTH: 76

<212> TYPE: DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Oligonucleotide

<400> 16

aattgaatgg gagggctgca gcttgcgctg cagacaggat gaactttgac atccctgagg

60

agattaagca gctgca

76--

Column 49, lines 23-28:

“<210> SEQ ID NO 17

<211> LENGTH: 33

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 17

agcttgctag cggccgcggc ctcactggct tca

33”

should read

--<210> SEQ ID NO 17

<211> LENGTH: 76

<212> TYPE: DNA

<213> Artificial Sequence

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,800,735 B2
APPLICATION NO. : 09/832659
DATED : October 5, 2004
INVENTOR(S) : Adrian Whitty et al.

Page 10 of 13

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

<220>

<223> Description of Artificial Sequence: Synthetic Oligonucleotide

<400> 17

aatgaatgg gaggcttgaa tactgcctca aggacagggc tgcatttgc atccctgcag 60

agattaagca gctgca

76--

Column 49, lines 29-34:

"<210> SEQ ID NO 18

<211> LENGTH: 37

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 18

atacgcgtcg acgtttcgga ggtaacatgt aagtctg

37"

should read

--<210> SEQ ID NO 18

<211> LENGTH: 51

<212> TYPE: DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Oligonucleotide

<400> 18

aattgaatgg gaggcttgaa tactgcctca aggacaggat gaacttgac a

51--

Column 49, lines 35-40:

"<210> SEQ ID NO 19

<211> LENGTH: 33

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 19

agcttgctag cggccgcggc ctcactggct tca

33"

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,800,735 B2
APPLICATION NO. : 09/832659
DATED : October 5, 2004
INVENTOR(S) : Adrian Whitty et al.

Page 11 of 13

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

should read

--<210> 19
<211> 43
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Oligonucleotide

<400> 19
tcctgagga gattgctgca gctgcagctt tcgctgcagc tga 43--

Column 49, lines 41-46:
“<210> SEQ ID NO 20
<211> LENGTH: 51
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE 20
tacacgtcga cgctgccacc accgccgttt cggaggtaac atgtaagtct g 51”

should read

--<210> SEQ ID NO 20
<211> LENGTH: 78
<212> TYPE: DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Oligonucleotide

<400> 20
cgccgcgttg accatctatg agatgctcgc taacatcgct agcattttca gacaagattc 60
atctagcact ggctggaa 78--

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,800,735 B2
APPLICATION NO. : 09/832659
DATED : October 5, 2004
INVENTOR(S) : Adrian Whitty et al.

Page 12 of 13

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 49, line 47 to Column 51, line 5:

“<210> SEQ ID NO 21

<211> LENGTH: 39

<212> TYPE: DNA

<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 21

gccgctcgag ttatcagttt cggaggtaac ctgtaagtc

39”

should read

--<210> SEQ ID NO 21

<211> LENGTH: 78

<212> TYPE: DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Oligonucleotide

<400> 21

cgccgcattg accatctatg agatgctcca gaacatcttt gctattttcg ctgcagcttc

60

atctagcact ggctggaa

78--

After Column 49, line 47 to Column 51, line 5 please add:

--<210> SEQ ID NO 62

<211> LENGTH: 5

<212> TYPE: PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 62

Asp Asp Asp Asp Lys

1

5

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,800,735 B2
APPLICATION NO. : 09/832659
DATED : October 5, 2004
INVENTOR(S) : Adrian Whitty et al.

Page 13 of 13

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

<210> SEQ ID NO 63
<211> LENGTH: 6
<212> TYPE: PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic 6x His tag

<400> 63
His His His His His His
1 5


<210> SEQ ID NO 64
<211> LENGTH: 5
<212> TYPE: PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic Peptide

<400> 64
Gly Gly Gly Gly Ser
1 5--

Signed and Sealed this

Twenty-eighth Day of October, 2008



JON W. DUDAS
Director of the United States Patent and Trademark Office